

GEAR TECHNOLOGY

# GEAR SKIVING MACHINE GSV-25N



# GSV-25N

Gear skiving process significantly improves productivity and accuracy compared with conventional shaping process. To meet the demand for high productivity and high precision in automobile and various reduction gear processing, Karats Precision has started supplying gear skiving machine since 2014.



History of Karats gear technology started from production of a turbine pinion hobbing machine in 1921.

For 100 years Karats Precision has succeeded to produce many models and large numbers of gear processing machines.

This model is one of the master pieces.

## Significant improvement of productivity

- ① Significant reduction in gear cutting time
- ② improvement of gear cutting accuracy



## Hard skiving

Finish machining of internal quenched gear is available by use of orientating function and carbide skiving cutter.



## Work fixture

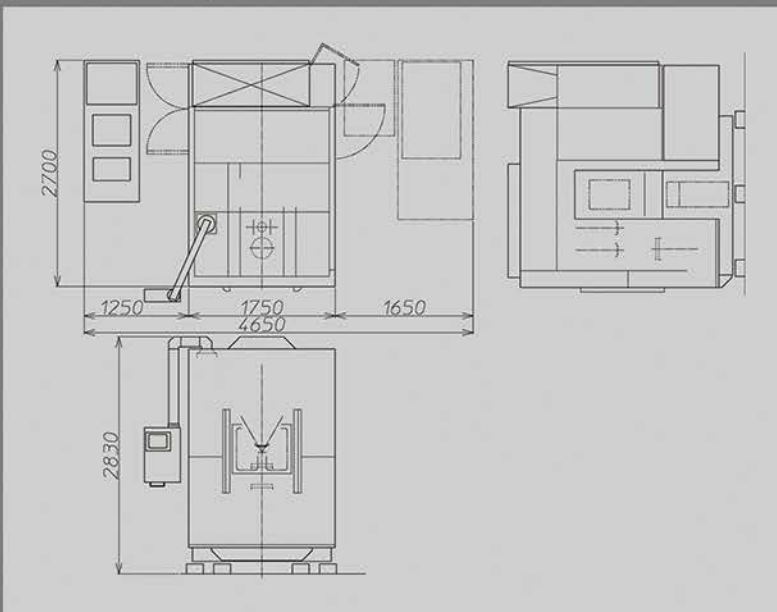
Automatic, high precision, and operation friendly work fixture is available on custom design.



## Specification

Diameter of work table	250mm
Max.module	m4
Max.width of gear face	60mm
Max.helix angle	±30°
Max.cutter spindle rotation speed	2500rpm
Diameter of cutter spindle	110mm
Diameter of table center hole	70mm
Rated capacity	80kVA
Cutter spindle drive motor (Continuous rating)	22kW
Work table drive motor (Continuous rating)	AC15kW
Overall dimensions	2870mm × 2550mm × 2770mm
Net weight	11000kg

## Dimensions



## Standard equipment

- CNC system(FANUC 31i-B5)
- Control panel · Operation panel
- Macro for writing machining program
- Hydraulic oil unit
- Oil cooler for hydraulic oil unit

## Optional equipment

- Cutter arbor
- Quick change of cutter arbor
- Work orientating device
- Rotary cylinder
- Work seating sensor
- Work air blow
- Mist collector
- Chip conveyor
- Chip bucket
- Automatic slide door
- Machine full cover
- Illumination light for work area
- Signal light tower
- Electric leak breaker
- Coolant device
- Oil cooler for coolant
- Air conditioner for control panel
- Coolant shower gun
- Air gun

※Contents in this brochure are subject to modify without notice in case of machine improvement.

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